

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P632846

Luminaire Tested: GWS-SA2D-750-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-750-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8404.5 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

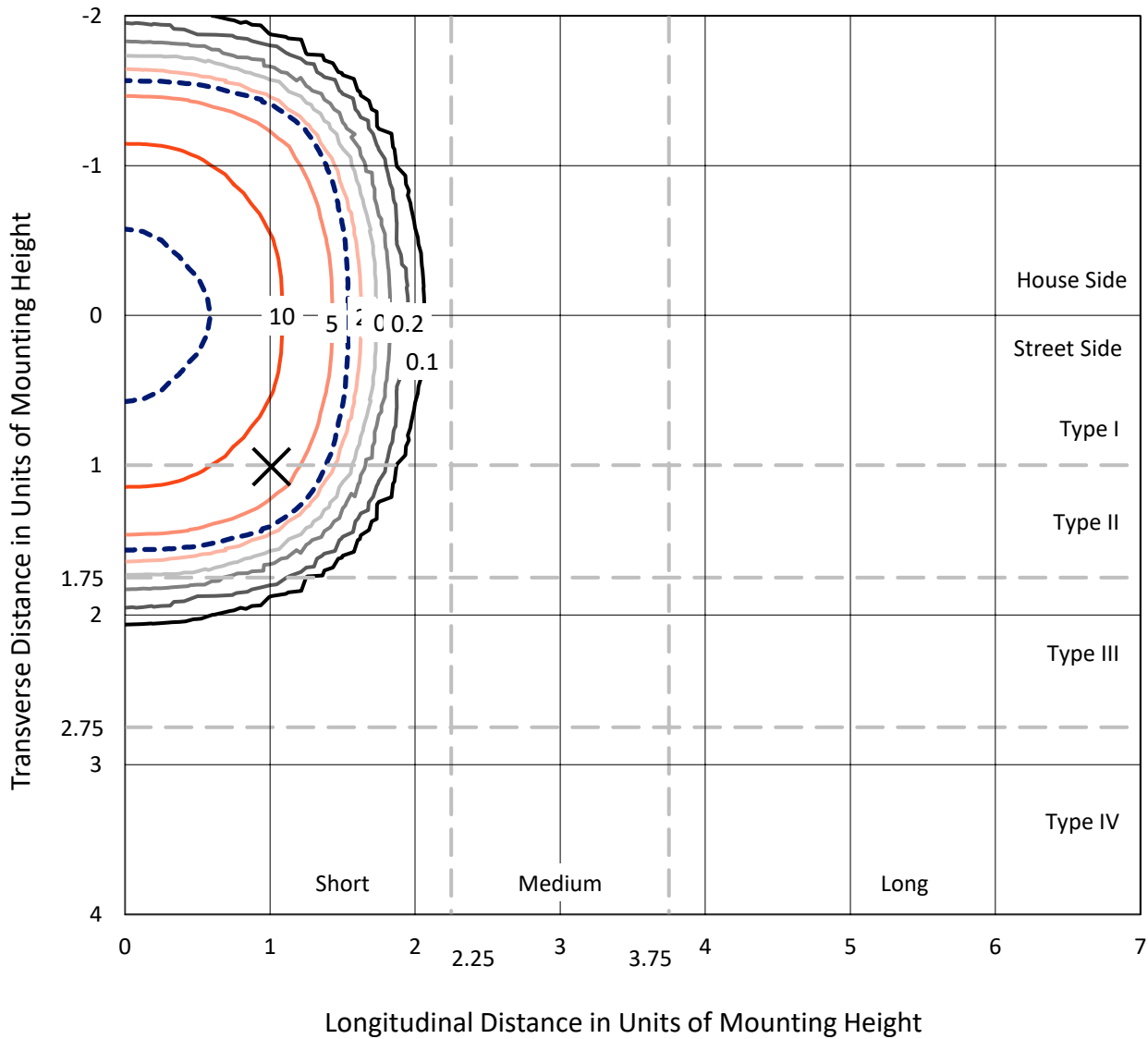
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

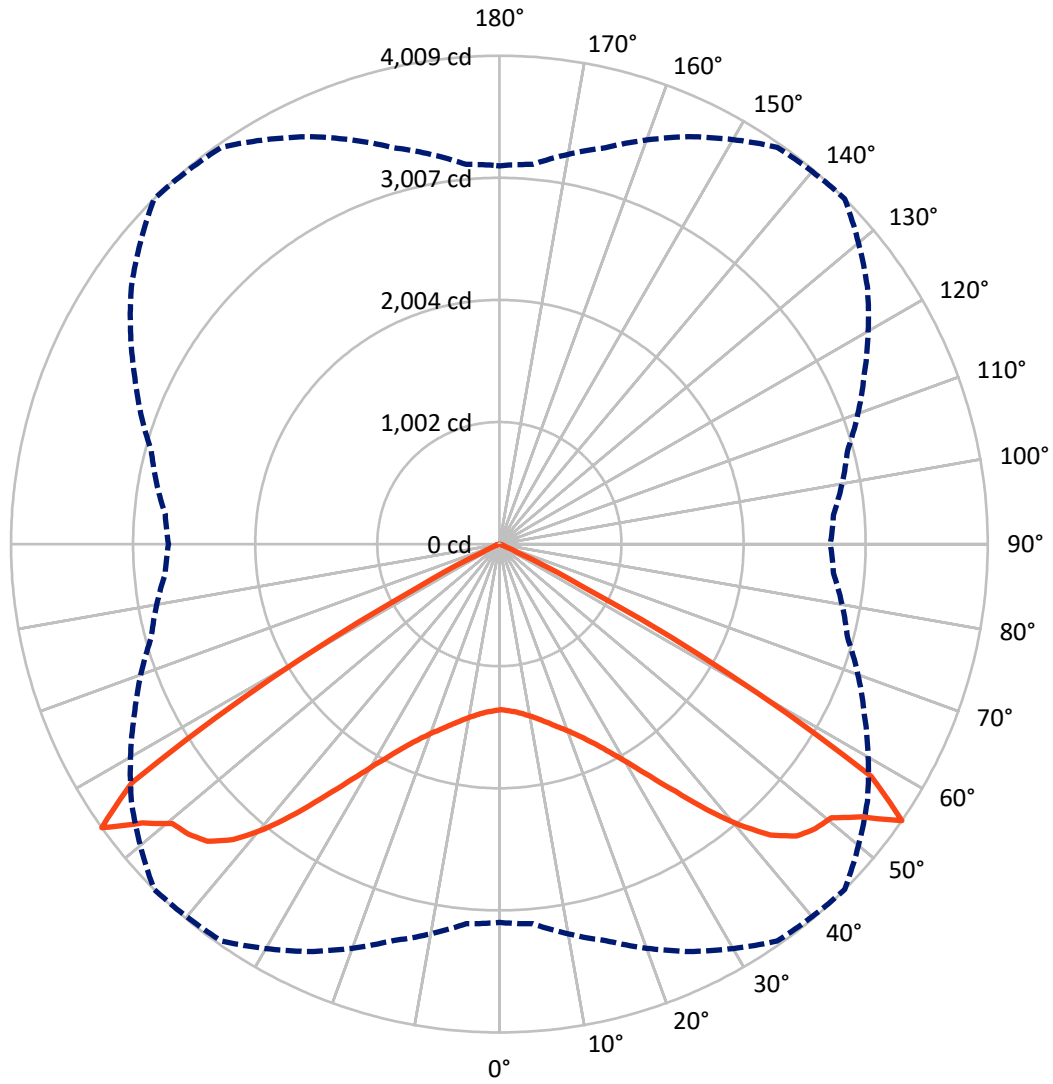
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4202.3	0.0	4202.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4202.3	0.0	4202.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	8404.5	0.0	8404.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.1	1.6
10°-20°	431.6	5.1
20°-30°	835.8	9.9
30°-40°	1497.4	17.8
40°-50°	2510.4	29.9
50°-60°	2687.3	32.0
60°-70°	295.3	3.5
70°-80°	13.0	0.2
80°-90°	0.6	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8404.5	100.0
0°-180°	8404.5	100.0

Coefficient of Utilization



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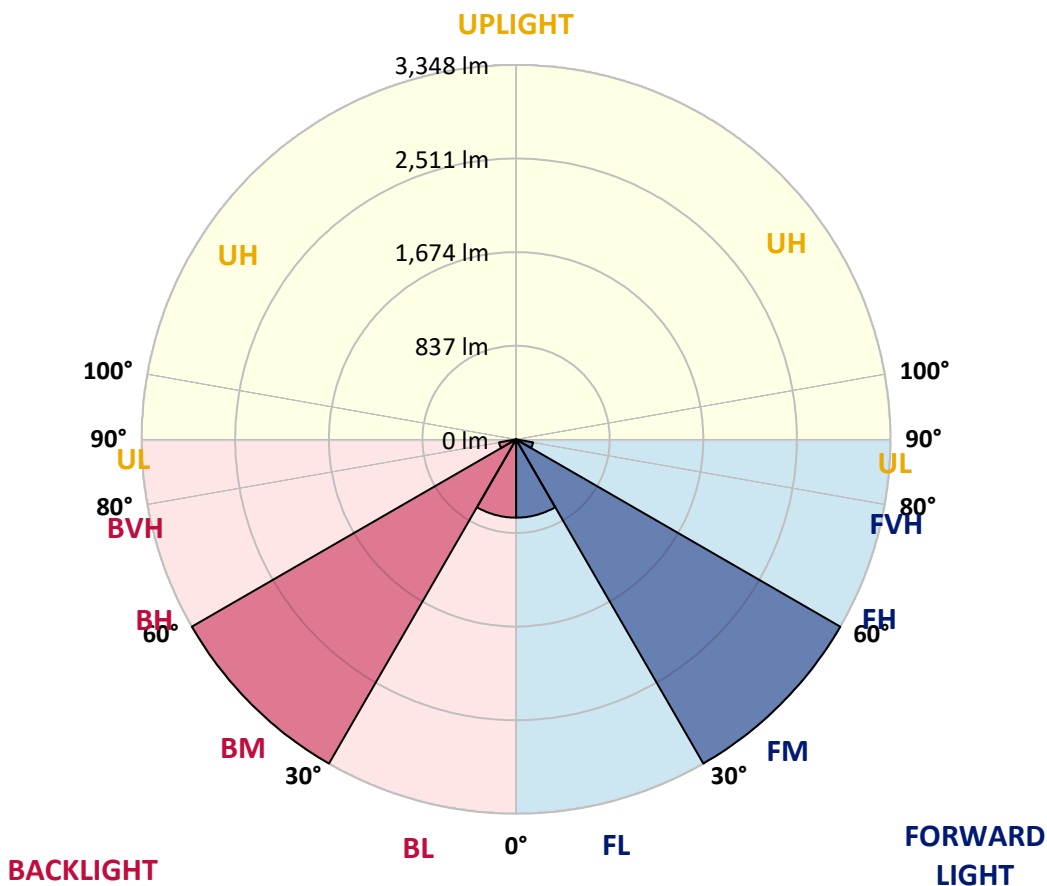
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	700.3	8.3			
FM (30°-60°)	3347.5	39.8			
FH (60°-80°)	154.2	1.8			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	700.3	8.3	B2/1000		
BM (30°-60°)	3347.5	39.8	B3/5000		
BH (60°-80°)	154.2	1.8	B1/500		G0/660
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1358.8	1358.8	1358.8	1358.8	1358.8	1358.8	1358.8	1358.8	1358.8	1358.8	1358.8
2.5°	1356.3	1356.3	1359.7	1362.3	1362.3	1369.1	1366.6	1364.0	1364.0	1360.6	1367.4
5°	1376.0	1375.1	1378.5	1380.3	1376.8	1383.7	1379.4	1376.8	1375.1	1371.7	1378.5
7.5°	1397.4	1398.2	1399.1	1402.5	1400.8	1407.7	1404.2	1399.1	1397.4	1392.2	1399.1
10°	1423.1	1423.1	1424.8	1429.1	1429.9	1438.5	1435.1	1429.1	1423.9	1418.8	1425.6
12.5°	1455.6	1456.5	1459.0	1465.0	1468.4	1477.9	1472.7	1460.7	1453.0	1447.0	1454.7
15°	1502.7	1501.8	1505.3	1513.8	1518.1	1525.0	1517.2	1501.0	1491.6	1484.7	1489.8
17.5°	1554.1	1554.1	1555.8	1564.3	1570.3	1580.6	1571.2	1551.5	1542.9	1533.5	1538.7
20°	1610.6	1613.1	1614.9	1620.9	1631.1	1641.4	1633.7	1614.0	1604.6	1592.6	1598.6
22.5°	1685.1	1682.5	1683.4	1693.6	1708.2	1718.5	1712.5	1689.4	1673.1	1663.7	1667.1
25°	1768.1	1767.3	1769.8	1785.3	1801.5	1812.7	1804.1	1774.1	1757.9	1741.6	1748.4
27.5°	1870.0	1870.9	1872.6	1891.4	1917.1	1933.4	1912.0	1882.0	1859.7	1838.3	1843.5
30°	1990.7	1989.0	1994.2	2019.9	2057.5	2083.2	2058.4	2016.4	1984.8	1964.2	1966.8
32.5°	2119.2	2120.9	2134.6	2175.7	2225.4	2270.7	2220.2	2164.6	2123.5	2084.9	2090.1
35°	2257.9	2262.2	2293.0	2353.8	2435.1	2495.9	2425.7	2334.1	2275.9	2226.2	2227.9
37.5°	2421.4	2431.7	2474.5	2565.3	2681.7	2763.1	2660.3	2538.7	2463.4	2401.7	2397.5
40°	2636.3	2648.3	2706.6	2814.4	2955.7	3030.2	2911.2	2786.2	2692.9	2626.1	2615.8
42.5°	2882.9	2898.4	2961.7	3072.2	3213.5	3264.0	3147.5	3042.2	2958.3	2879.5	2876.1
45°	3161.2	3169.8	3221.2	3305.9	3407.8	3419.8	3332.5	3274.2	3189.5	3115.8	3109.8
47.5°	3422.4	3430.9	3466.0	3509.7	3533.7	3490.9	3475.5	3449.8	3340.2	3249.4	3230.6
50°	3621.0	3627.9	3671.5	3688.7	3621.9	3531.1	3561.1	3506.3	3387.3	3285.4	3256.3
52.5°	3607.3	3624.4	3736.6	3834.2	3792.3	3718.6	3638.1	3520.0	3335.0	3195.5	3159.5
55°	3105.6	3128.7	3369.3	3690.4	3977.2	4008.9	3686.9	3305.9	2958.3	2753.7	2716.8
57.5°	1995.9	2001.9	2295.6	2745.9	3392.4	3596.2	3057.6	2492.5	2060.1	1834.9	1819.5
60°	733.8	721.8	943.6	1316.9	1953.9	2169.7	1799.8	1260.4	899.0	739.8	726.9
62.5°	176.4	178.1	220.9	331.4	613.1	758.6	599.4	334.8	213.2	179.0	177.2
65°	89.0	87.3	88.2	95.0	131.0	156.7	128.4	90.8	87.3	88.2	87.3
67.5°	57.4	56.5	58.2	59.1	58.2	54.8	53.9	55.7	55.7	56.5	54.8
70°	35.1	34.2	36.0	38.5	36.8	32.5	34.2	36.0	34.2	33.4	33.4
72.5°	18.8	18.8	20.5	22.3	20.5	18.8	18.8	19.7	18.8	18.8	18.8
75°	8.6	8.6	9.4	10.3	8.6	8.6	8.6	8.6	8.6	8.6	8.6
77.5°	2.6	2.6	3.4	3.4	2.6	2.6	2.6	2.6	3.4	3.4	3.4
80°	0.9	1.7	1.7	0.9	0.9	0.9	0.9	0.9	1.7	1.7	1.7
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
85°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)